

Rewriting a Logarithm as an Exponential Practice Problems

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Rewrite each equation in exponential form.

1) $\log_7 343 = 3$

2) $\log_2 4 = 2$

3) $\log_9 \frac{1}{3} = -\frac{1}{2}$

4) $\log_4 1 = 0$

5) $\log_{256} \frac{1}{16} = -\frac{1}{2}$

6) $\log_{400} 20 = \frac{1}{2}$

7) $\log_{11} 121 = 2$

8) $\log_{32} \frac{1}{2} = -\frac{1}{5}$

9) $\log_{19} 361 = 2$

10) $\log_4 16 = 2$

Answers to Rewriting a Logarithm as an Exponential Practice Problems

1) $7^3 = 343$

2) $2^2 = 4$

3) $9^{-\frac{1}{2}} = \frac{1}{3}$

4) $4^0 = 1$

5) $256^{-\frac{1}{2}} = \frac{1}{16}$

6) $400^{\frac{1}{2}} = 20$

7) $11^2 = 121$

8) $32^{-\frac{1}{5}} = \frac{1}{2}$

9) $19^2 = 361$

10) $4^2 = 16$